

pMSCV-Hyg-GFP miR-155

Absent Sites	0	AbsI,Accl,AlfI,AlfI',Apal,AvrII,BamHI,BarI,BarI',BbsI,BclI,BpII,BpII',BsaAI,BsaBI,BsiWI,BstBI,BstZ17I,CspCI,CspCI',FseI,FspAI,HpaI,MauBI,MfeI,MluI,MreI,NruI,Pacl,PfIMI,PmeI,PmlI,PspOMI,PspXI,PsrI,PsrI',Sall,SanDI,SbfI,SfiI,SgrDI,SnaBI,SrfI,Swal,XcmI,XhoI
AarI	1	2211
AflIII	1	5170
AjuI	1	3782
AjuI'	1	3750
AsiSI	1	3433
BglIII	1	1411
BplI	1	2816
BstEII	1	1089
BstXI	1	3059
Clal	1	4101
HincII	1	3905
HindIII	1	3054
NotI	1	2158
NsiI	1	4100
PciI	1	5170
PshAI	1	3096
PsiI	1	2181
RsrII	1	3477
SacII	1	3849
SexAI	1	1217
SgrAI	1	7606
StuI	1	2837

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5' TGAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAGTAACGCCATTTTGAAGGCATGGAAAATACATAACTGAGAATAGAGAAGTTCAGATCAAGG
 100
 3' ACTTCTGGGGTGGACATCCAAACCGTTCGATCGAATTCATTGCGGTAACCGTTCCTGACCTTTTATGTATTGACTCTTATCTCTTCAAGTCTAGTTCC
 5' pCMV LTR

5' TTAGGAACAGAGACAGCAGAATATGGCCAAACAGGATATCTGTGGTAAGCAGTTCCTGCCCCGGCTCAGGGCCAAGAACAGATGGTCCCCAGATGCG
 200
 3' AATCCTTGTCTCTCTGTGCTTATACCCGGTTTGTCTTATAGACACCATTTCGTCAAGGACGGGGCCGAGTCCCGGTTCTTGTCTACCAGGGGTCTACGC
 5' pCMV LTR

5' GTCCCGCCCTCAGCAGTTTCTAGAGAACCATCAGATGTTTCCAGGGTGCCCCAAGGACCTGAAATGACCCTGTGCCTTATTTGAACTAACCAATCAGTTC
 300
 3' CAGGGCCGGGAGTCGTCAAAGATCTCTTGGTAGTCTACAAAGTCCACGGGGTTCCTGGACTTTACTGGGACACGGAATAAACTTGATTGGTTAGTCAAG
 5' pCMV LTR

5' GCTTCTCGTCTCTGTTCGCGCCTTCTGCTCCCCGAGCTCAATAAAAAGAGCCACAAACCCCTCACTCGGCGCGCAGTCTCCGATAGACTGCGTCCCC
 400
 3' CGAAGAGCGAAGACAAGCGCGGAAGACGAGGGGCTCGAGTTAATTTCTCGGGTGTGGGGAGTGAGCCGCGCGGTGAGGAGGCTATCTGACGCAGCGGG
 5' pCMV LTR

5' GGGTACCCGTATTCCCAATAAAGCCTCTTGCTGTTTGCATCCGAATCGTGGACTCGCTGATCCTTGGGAGGGTCTCCTCAGATTGATTGACTGCCACCT
 500
 3' CCCATGGGCATAAGGGTTAATTTGCGGAGAACGACAAACGTAGGCTTAGCACCTGAGCGACTAGGAACCCCTCCAGAGGAGTCTAACTAACTGACGGGTGGA
 5' pCMV LTR

5' CGGGGTCTTTTCAATTTGGAGGTTCCACCGAGATTGGAGACCCCTGCCAGGGACCACCGACCCCCCGCGGGAGGTAAGCTGGCCAGCGGTCTGTTTCG
 600
 3' GCCCCAGAAAGTAAACCTCCAAGGTGGCTCTAAACCTCTGGGGACGGGTCCCTGTTGGCTGGGGGGCGGCCCTCCATTCGACCGGTGCGCAGCAAAGC
 5' pCMV LTR

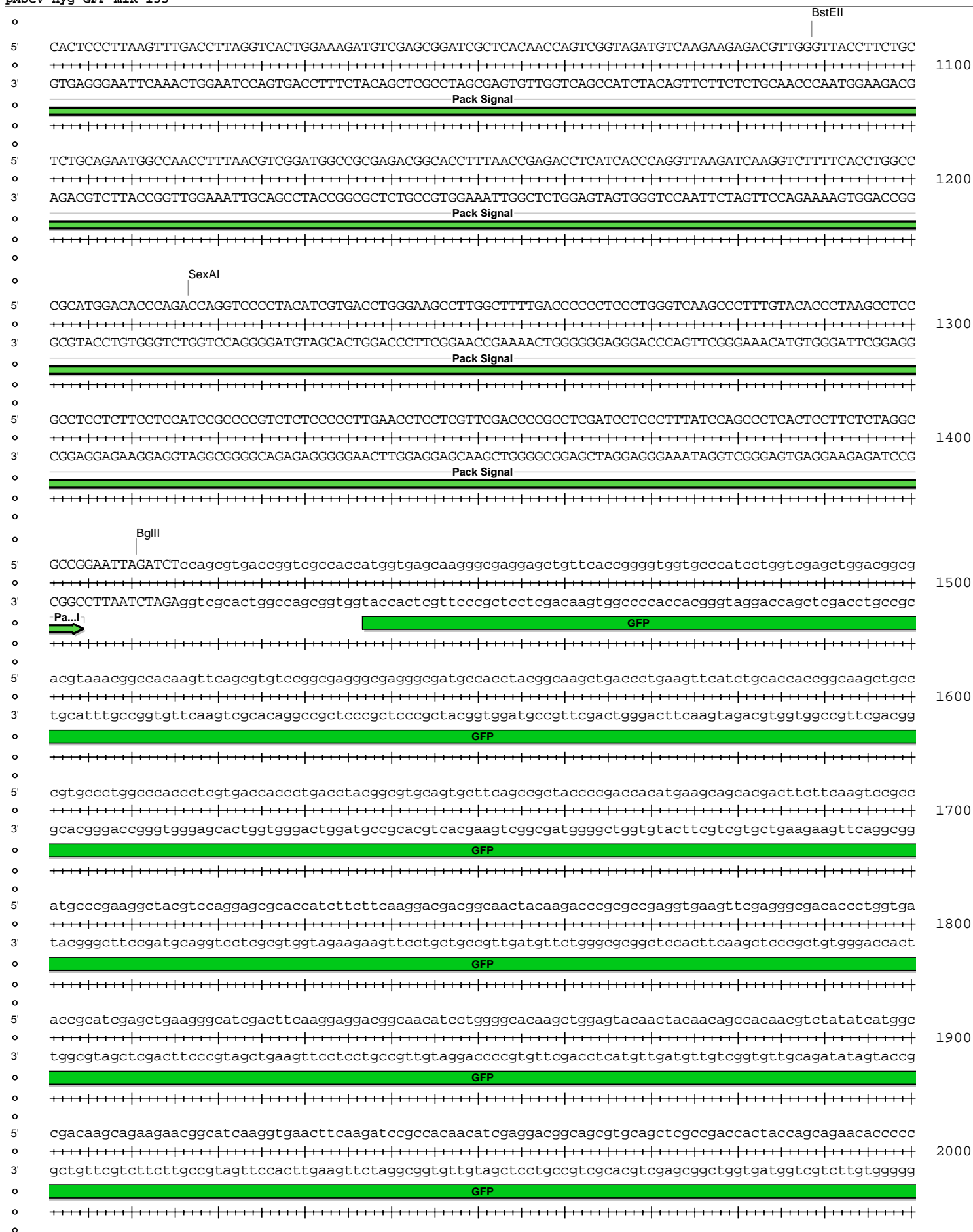
Pack Signal

5' TGTCTGTCTCTGTCTTGTGCGTGTGTGCGCCGCATCTAATGTTTGGCCCTGCGTCTGTACTAGTTAGCTAACTAGCTCTGTATCTGGCGGACCCGTGG
 700
 3' ACAGACAGAGACAGAAACACGCACAAACACGGCCGTAGATTACAAACCGCGACGCAGACATGATCAATCGATTGATCGAGACATAGACCGCTGGGCACC
 Pack Signal

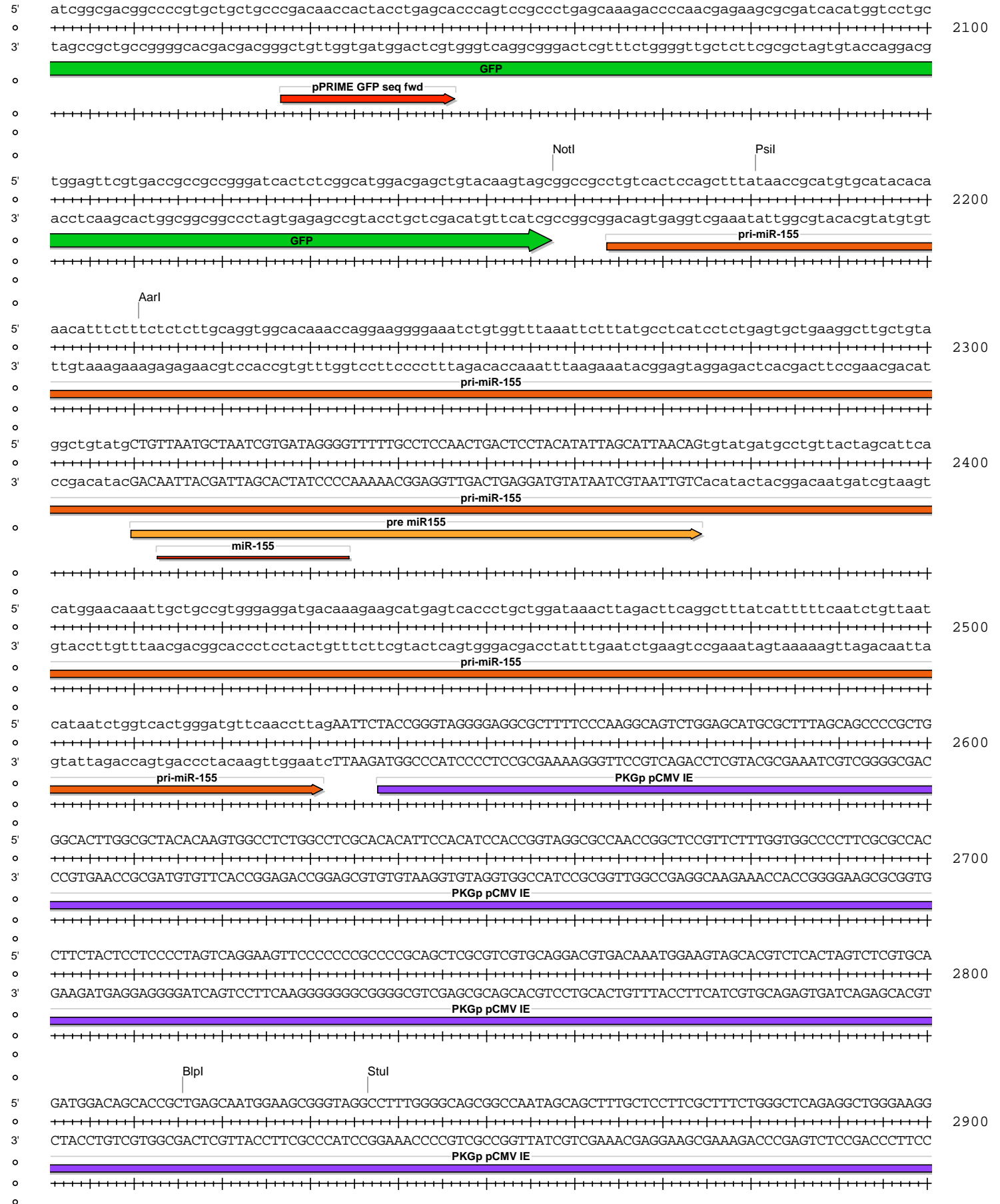
5' TGGAATGACGAGTTCGAAACCCCGCCGCAACCTGGGAGACGTCCCAGGGACTTTGGGGCCGTTTGTGGCCCGACCTGAGGAAGGGAGTCGATG
 800
 3' ACCTTGACTGCTCAAGACTTGTGGGCCGGCGTTGGGACCTCTGCAGGGTCCCTGAAACCCCGGCAAAAACACCGGGCTGGACTCCTTCCTCAGCTAC
 Pack Signal

5' TGGAATCCGACCCCGTCAGGATATGTGGTCTGGTAGGAGACGAGAACC TAAACAGTTCCCGCCTCCGTCTGAATTTTGTCTTTCGGTTTGAACCGAA
 900
 3' ACCTTAGGCTGGGGCAGTCTTATACACCAAGACCATCCTCTGCTCTTGGATTTTGTCAAGGGCGGAGGCAGACTTAAAAACGAAAGCCAAACCTTGCTT
 Pack Signal

5' GCCGCGCTCTGTCTGCTGCAGCGCTGCAGCATCGTTCGTGTGTCTCTGTCTGACTGTGTTTCTGTATTTGTCTGAAAATTAGGGCCAGACTGTTAC
 1000
 3' CGGGCGCAGAACAGACGACGTCGCGACGTCGTAGCAAGACACAAACAGAGACAGACTGACACAAAGACATAAACAGACTTTTAATCCCGGTCTGACAATG
 Pack Signal



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5' GGTGGGTCCGGGGCGGGCTCAGGGGCGGGCTCAGGGGCGGGCGGGCGCCCGAAGTCTCTCCGAGGCCCGGCATTCTGCACGTTCAAAGCGCACGT
 3' CCACCCAGGCCCGCCGAGTCCCGCCGAGTCCCGCCCGAGTCCCGCCCGCCCGCGGGCTTCCAGGAGGCTCCGGGCCGTAAGACGTGCGAAGTTTTCGCGTGCA
 PKGp pCMV IE

5' CTGCCGCGCTGTTCTCTCTTCTCATCTCCGGCCTTTTCGACCTGCAGCCCAAGCTTATGGATAGATCCGGAAAGCCTGAACTCACCGGACGTCTGTC
 3' GACGCGCGACAAGAGGAGAAGGAGTAGAGGCCGAAAGCTGGACGTCGGGTTTCAATACTATCTAGGCCTTTCGGACTTGAGTGGCGCTGCAGACAG
 PKGp pCMV IE hygromycin B phosphotransferase

5' GAGAAGTTTCTGATCGAAAAGTTCGACAGCGTCTCCGACCTGATGCAGCTCTCGGAGGGCGAAGAATCTCGTGCTTTCAGCTTCGATGTAGGAGGGCGTG
 3' CTCTTCAAAGACTAGCTTTTCAAGCTGTGCGAGAGGCTGGACTACGTCGAGAGCCTCCCGCTTCTTAGAGCACGAAAAGTCAAGCTACATCCTCCCGCAC
 hygromycin B phosphotransferase

5' GATATGTCCTGCGGGTAAATAGCTGCGCCGATGGTTTCTACAAAGATCGTTATGTTTATCGGCACTTTCATCGCCGCGCTCCCGATTCCGGAAGTGCT
 3' CTATACAGGACGCCCATTTATCGACGCGGTACCAAAGATGTTTCTAGCAATACAAATAGCCGTGAAACGTAGCCGGCGCGAGGGCTAAGGCCTTCACGA
 hygromycin B phosphotransferase

5' TGACATTGGGAATTCAGCGAGAGCCTGACCTATTGCATCTCCCGCCGTGCACAGGTGTACGTTGCAAGACCTGCCTGAAACCGAACTGCCCGCTGTT
 3' ACTGTAACCCCTTAAGTCGCTCTCGGACTGGATAACGTAGAGGGCGCACGTGTCCACAGTGAACGTTCTGGACGGACTTTGGCTTGACGGGCGACAA
 hygromycin B phosphotransferase

5' CTGCAGCCGGTCGCGGAGGCCATGGATGCGATCGCTGCGGCCGATCTTAGCCAGACGAGCGGGTTCGGCCCATTCGGACCGCAAGGAATCGGTCAATACA
 3' GACGTGCGCCAGCGCTCCGGTACCTACGCTAGCGACGCCGGCTAGAATCGGTCTGCTCGCCCAAGCCGGTAAAGCCTGGCGTTCCTTAGCCAGTTATGT
 AsiSI RsrII
 hygromycin B phosphotransferase

5' CTACATGGCGTGATTTTCATATGCGCGATTGCTGATCCCCATGTGTATCACTGGCAAACCTGTGATGGACGACACCGTCAGTGCCTCCGTCGCGCAGGCTCT
 3' GATGTACCGCACTAAAGTATACGCGCTAACGACTAGGGGTACACATAGTGACCGTTTGACACTACCTGCTGTGGCAGTCACGCAGGCAGCGCTCCGAGA
 hygromycin B phosphotransferase

5' CGATGAGCTGATGCTTTGGGCCGAGGACTGCCCCAAGTCCGGCACCTCGTGCACGCGGATTTCCGGCTCCAACAATGCTCTGACGGACAATGGCCGCATA
 3' GCTACTCGACTACGAAACCCGGCTCCTGACGGGGCTTCAGGCCGTGGAGCACGTGCGCCTAAAGCCGAGGTTGTACAGGACTGCCTGTTACCGGCGTAT
 hygromycin B phosphotransferase

5' ACAGCGGTCATGACTGGAGCGAGGCGATGTTCCGGGATTCCTCAATACGAGGTCGCCAACATCTTCTTCTGAGGCGGTGGTGGCTTGTATGGAGCAGC
 3' TGTCGCCAGTAACTGACCTCGCTCCGCTACAAGCCCTAAGGGTTATGCTCCAGCGGTTGTAGAAGAAGACCTCCGGCACCAACCGAACATACCTCGTCG
 Ajul' Ajul
 hygromycin B phosphotransferase

